

# MI Route Finder Networks

Version 2019.09.0

# Release Notes

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## Overview

This document outlines what's new in the datasets, the data statistics, and the known issues, if any, for the current data release. For the latest product features and other details, see the Route Finder Product Guide, which is available at:

<http://www.pbinsight.com/support/product-documentation/details/routefinder>

## Product Variants

**MI RouteFinder Networks** suite consists of two variants:

### *MI RouteFinder Networks Standard*

It comprises of digital road networks at a nominal 1:10000 scale, with a link structure. The networks include motorways, principal highways, important regional and local roads, other roads and ferries. The networks have been further enhanced by including signposted travel speeds (where available).

### *MI RouteFinder Networks Premium*

It combines all the features of the MI RouteFinder Networks Standard product along with premium navigational information that adds the ability to calculate the most precise, efficient route taking average speed profiles for the time of day and vehicle height, width, and weight restrictions into account (where available).

**Note:** These networks have been developed for use with MapInfo RouteFinder V5 (or higher) software.

For more information, please refer to the product guide available here:

<http://www.pbinsight.com/support/product-documentation/details/routefinder>

For more information on other Pitney Bowes Streets and Routing data offerings, please visit:

<https://www.pitneybowes.com/us/data/street-data.html>

## What's New

This data refresh includes the following key updates in addition to the updated statistics mentioned in the [Product Metrics](#) chapter below:

### Denmark

- Missing National and Regional Parks are added based on the source Protected Planet. National and Regional Parks which were already present in the data are not yet reviewed and updated, this will be planned in 2020. The definition and scope of National or Regional Park is based on the attributes 'IUCN class' and 'Designation' in Protected Planet.
- House Number Ranges were updated for 19800 km of road geometry.
- 590 Admin Area are added.
- Around 791 LandUse are updated.

### Finland

- House Number Ranges were updated for 62400 km of road geometry.
- Street Names were updated for 2200 km of road geometry.
- Approximately 270 km of new roads have been added across the country.
- Speed Restrictions updated for over 2000 km roads.
- Around 396 LandUse are updated.

### Malaysia

- Approximately 10000 km of roads have been added across the country.
- House Number Ranges were created or updated i.e. around 1584 kms of road elements.
- House numbers were updated for 1483 km of road geometry.
- Street Names were updated for 494 km of road geometry.
- Around 433 LandUse are updated.

### Norway

- House Number Ranges were updated for 11700 km of road geometry. Street Names were updated for 8000 km of road geometry.
- Around 1128 LandUse are updated.

### Philippines

- Approximately 11000 km of roads have been added across the country.
- Street Names were updated for 682 km of road geometry.
- Around 5574 LandUse are updated.

### Sweden

- House Number Ranges were updated for 42479 km of road geometry.
- Street Names were updated for 2039 km of road geometry.

- Approximately 3200 km of new roads have been added across the country.
- Around 2757 LandUse are updated.

#### **Taiwan**

- Approximately 25700 km of new roads were added across the country.
- House numbers were updated for 13679 km of road geometry.
- Street Names were updated for 234 km of road geometry.
- Around 5097 LandUse are updated.

#### **Vietnam**

- More than 7000 km of new roads have been added across the country.
- Street names have been updated on approximately 20500 km across the country.

## Known Issues

There are no known issues in the data for the current release.

# Product Metrics

## Overview

This section provides the key statistics related to the feature counts and street length for all the countries covered in this release.

**Note:** The MAX\_HEIGHT, MAX\_WEIGHT and MAX\_WIDTH attributes are only available with the Premium variant of the product.

## Denmark

### Streets Feature Count Table

Value/Description	Feature Counts 2019.09.0
MAX_HEIGHT - Street objects with restrictions on Maximum Vehicle Height	1987
MAX_WIDTH - Street objects with restrictions on Maximum Vehicle Width	251
MAX_WEIGHT - Street objects with restrictions on Maximum Vehicle Weight	2968

### Streets Length Table

Road Class	Description	Street Length 2019.09.0 (in km)
	<b>Total length of the network</b>	<b>170714.8</b>
A	Local (minor) road, toll	0.55
C	Local connecting road, non-toll	9322.82

Road Class	Description	Street Length 2019.09.0 (in km)
D	Local road , non-toll	24468.68
F	Local connecting road, toll	1.58
H	Ferry	3251.16
I	Major road, non-toll	171.05
L	Local (important) road, non-toll	1258.72
M	Motorway, non-toll	2592.63
N	Motorway, toll	64.07
P	Other major road, non-toll	2384.57
R	Local (minor) road, non-toll	91970.49
S	Secondary road, non-toll	6143.96
U	Other road, non-toll	0.16
W	Local (important) road, toll	0.51
Z	Pedestrian	29083.86

## Finland

### Streets Feature Count Table

Value/Description	Feature Counts 2019.09.0
MAX_HEIGHT - Street objects with restrictions on Maximum Vehicle Height	4690

Value/Description	Feature Counts 2019.09.0
MAX_WIDTH - Street objects with restrictions on Maximum Vehicle Width	330
MAX_WEIGHT - Street objects with restrictions on Maximum Vehicle Weight	4023

### Streets Length Table

Road Class	Description	Street Length 2019.09.0 (in km)
	<b>Total length of the network</b>	<b>170647.90</b>
C	Local connecting road, non-toll	9322.82
D	Local road , non-toll	24468.68
H	Ferry	3251.15
I	Major road, non-toll	171.05
L	Local (important) road, non-toll	1258.72
M	Motorway, non-toll	2592.63
P	Other major road, non-toll	2384.57
R	Local (minor) road, non-toll	91970.49
S	Secondary road, non-toll	6143.96
Z	Pedestrian	29083.86

## Malaysia

## Streets Length Table

Road Class	Description	Street Length 2019.09.0 (in km)
	<b>Total length of the network</b>	<b>205009.2</b>
A	Local (minor) road, toll	264.34
C	Local connecting road, non-toll	9774.38
D	Local road , non-toll	2908.72
E	Local road, toll	5.45
F	Local connecting road, toll	122.85
G	Major road, toll	221.40
H	Ferry	1762.01
I	Major road, non-toll	13528.98
L	Local (important) road, non-toll	5494.28
M	Motorway, non-toll	834.27
N	Motorway, toll	3202.08
P	Other major road, non-toll	7095.90
Q	Other major road, toll	70.14
R	Local (minor) road, non-toll	153693
S	Secondary road, non-toll	5551.09



Road Class	Description	Street Length 2019.09.0 (in km)
T	Secondary road, toll	84.08
U	Other road, non-toll	22.07
W	Local (important) road, toll	54.84
Z	Pedestrian	319.23

## Norway

### Streets Feature Count Table

Value/Description	Feature Counts 2019.09.0
MAX_HEIGHT - Street objects with restrictions on Maximum Vehicle Height	16629
MAX_WIDTH - Street objects with restrictions on Maximum Vehicle Width	1268
MAX_WEIGHT - Street objects with restrictions on Maximum Vehicle Weight	1745621

### Streets Length Table

Road Class	Description	Street Length 2019.09.0 (in km)
	<b>Total length of the network</b>	<b>263557</b>
A	Local (minor) road, toll	718.06
C	Local connecting road, non-toll	24661.65
D	Local road , non-toll	6337.89

Road Class	Description	Street Length 2019.09.0 (in km)
E	Local road, toll	102.87
F	Local connecting road, toll	100.92
G	Major road, toll	149.90
H	Ferry	5524.77
I	Major road, non-toll	5748.14
L	Local (important) road, non-toll	351.82
M	Motorway, non-toll	811.22
N	Motorway, toll	239.03
P	Other major road, non-toll	10005.34
Q	Other major road, toll	90.26
R	Local (minor) road, non-toll	170393.50
S	Secondary road, non-toll	10305.88
T	Secondary road, toll	75.35
U	Other road, non-toll	0.06
W	Local (important) road, toll	26.80
Z	Pedestrian	27913.55

## Philippines

## Streets Length Table

Road Class	Description	Street Length 2019.09.0 (in km)
	<b>Total length of the network</b>	<b>164489.1</b>
A	Local (minor) road, toll	30.48
C	Local connecting road, non-toll	13314.60
D	Local road , non-toll	12522.01
E	Local road, toll	48.08
F	Local connecting road, toll	40.94
G	Major road, toll	126.99
H	Ferry	267.59
I	Major road, non-toll	1404.48
L	Local (important) road, non-toll	1381.33
M	Motorway, non-toll	250.07
N	Motorway, toll	1957.29
P	Other major road, non-toll	7269.48
Q	Other major road, toll	151.44
R	Local (minor) road, non-toll	94279.64
S	Secondary road, non-toll	6434.22

Road Class	Description	Street Length 2019.09.0 (in km)
T	Secondary road, toll	195.10
U	Other road, non-toll	0.07
W	Local (important) road, toll	6.18
Z	Pedestrian	24809.02

## Sweden

### Streets Feature Count Table

Value/Description	Feature Counts 2019.09.0
MAX_HEIGHT - Street objects with restrictions on Maximum Vehicle Height	3556
MAX_WIDTH - Street objects with restrictions on Maximum Vehicle Width	1431
MAX_WEIGHT - Street objects with restrictions on Maximum Vehicle Weight	1146346

### Streets Length Table

Road Class	Description	Street Length 2019.09.0 (in km)
	<b>Total length of the network</b>	<b>661552.1</b>
A	Local (minor) road, toll	2.59
C	Local connecting road, non-toll	41950.09
D	Local road , non-toll	41818.25

Road Class	Description	Street Length 2019.09.0 (in km)
F	Local connecting road, toll	0.56
G	Major road, toll	2.21
H	Ferry	4368.57
I	Major road, non-toll	4581.61
L	Local (important) road, non-toll	2610.93
M	Motorway, non-toll	4417.03
N	Motorway, toll	30.62
P	Other major road, non-toll	13472.17
Q	Other major road, toll	5.52
R	Local (minor) road, non-toll	490128.50
S	Secondary road, non-toll	13752.07
T	Secondary road, toll	1.23
Z	Pedestrian	44410.15

## Taiwan

### Streets Length Table

Road Class	Description	Street Length 2019.09.0 (in km)
	<b>Total length of the network</b>	<b>661552.1</b>

Road Class	Description	Street Length 2019.09.0 (in km)
A	Local (minor) road, toll	2.58
C	Local connecting road, non-toll	41950.09
D	Local road , non-toll	41818.25
F	Local connecting road, toll	0.56
G	Major road, toll	2.21
H	Ferry	4368.57
I	Major road, non-toll	4581.61
L	Local (important) road, non-toll	2610.93
M	Motorway, non-toll	4417.03
N	Motorway, toll	30.62
P	Other major road, non-toll	13472.17
Q	Other major road, toll	5.52
R	Local (minor) road, non-toll	490128.50
S	Secondary road, non-toll	13752.07
T	Secondary road, toll	1.23
Z	Pedestrian	44410.15

## Vietnam

## Streets Length Table

Road Class	Description	Street Length 2019.09.0 (in km)
	<b>Total length of the network</b>	<b>469367.5</b>
A	Local (minor) road, toll	37.044
C	Local connecting road, non-toll	20245.53
D	Local road , non-toll	1048.11
F	Local connecting road, toll	1.11
G	Major road, toll	106.86
H	Ferry	548.57
I	Major road, non-toll	7382.88
L	Local (important) road, non-toll	2496.32
M	Motorway, non-toll	1219.36
N	Motorway, toll	352.86
P	Other major road, non-toll	9528.06
Q	Other major road, toll	58.25
R	Local (minor) road, non-toll	416303.40
S	Secondary road, non-toll	6652.80
T	Secondary road, toll	3.58

Road Class	Description	Street Length 2019.09.0 (in km)
U	Other road, non-toll	15.07
W	Local (important) road, toll	0.63
Z	Pedestrian	3367.08

## Notices and Product Support

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## Product Support

If you have any questions or concerns, you may contact our support or fulfillment team directly by phone or email:

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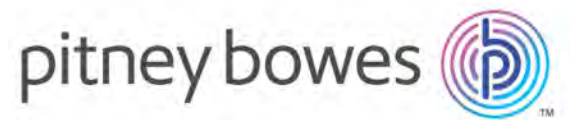
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3001 Summer Street  
Stamford CT 06926-0700  
USA

[www.pitneybowes.com](http://www.pitneybowes.com)